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Respectfully submitted,



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Marked-up Claims

71. (Amended) A system for analyzing an extended object [according to Claim 1] labeled with at least two unit-specific markers comprising:

- a central processing unit;
- an input device for inputting a [the] plurality of object-dependent impulses of an [the] extended object;
- an output device;
- a memory;
- at least one bus connecting the central processing unit, the memory, the input device, and the output device;
- the memory storing a calculating module configured to calculate an [the] autocorrelation function for said plurality of object-dependent impulses of said extended object input using said input device.

90. (Amended) A computer program product for use in conjunction with a computer, the computer program product comprising a computer readable storage medium and a computer program mechanism embedded therein, the computer program mechanism comprising a calculating module configured to calculate an [the] autocorrelation function of a [the] plurality of object-dependent impulses [according to the method of Claim 1].

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